

Project Title	Funding	Strategic Plan Objective	Institution
OFFICE OF THE SCIENTIFIC DIRECTOR	\$9,848,772	Q7.Other	National Institutes of Health
Fast Fail Trials in Autism Spectrum Disorders (FAST-AS)	\$6,092,360	Q4.Other	University of California, Los Angeles
SUPPORT THE ONGOING OPERATIONS OF THE NATIONAL DATABASE FOR AUTISM RESEARCH - NDAR	\$5,100,181	Q7.H	OMNITEC SOLUTIONS, INC
Early Biomarkers of Autism Spectrum Disorders in infants with Tuberous Sclerosis	\$3,463,622	Q1.L.A	CHILDREN'S HOSPITAL CORPORATION
Neonatal Biomarkers in Extremely Preterm Babies Predict Childhood Brain Disorders	\$2,857,573	Q3.S.H	BOSTON MEDICAL CENTER
Multimodal Developmental Neurogenetics of Females with ASD	\$2,738,896	Q2.S.B	Yale University
Autism Genetics, Phase II: Increasing Representation of Human Diversity	\$2,728,166	Q3.S.D	University of California, Los Angeles
Intervention effects of intensity and delivery style for toddlers with ASD	\$2,686,558	Q4.S.D	University of California, Davis
Adaptive Interventions for Minimally Verbal Children with ASD in the Community	\$2,563,341	Q4.S.G	University of California, Los Angeles
Study of Oxytocin in Autism to Improve Reciprocal Social Behaviors (SOARS-B)	\$2,562,872	Q4.L.A	University of North Carolina
Mobilizing Community Systems to Engage Families in Early ASD Detection & Services	\$2,458,680	Q1.S.C	Florida State University
A Longitudinal MRI Study of Infants at Risk for Autism	\$2,429,945	Q2.L.A	University of North Carolina
Roles of Oxytocin and Vasopressin in Brain	\$1,947,833	Q4.S.B	National Institutes of Health
PEDIATRIC BRAIN IMAGING	\$1,857,911	Q2.L.A	National Institutes of Health
Clinical and Behavioral Phenotyping of Autism and Related Disorders	\$1,820,672	Q1.L.B	National Institutes of Health
Autism Risk, Prenatal Environmental Exposures, and Pathophysiologic Markers	\$1,793,611	Q3.S.C	University of California, Davis
FUNCTIONAL ANATOMY OF FACE PROCESSING IN THE PRIMATE BRAIN	\$1,678,442	Q2.Other	National Institutes of Health
Transcriptional and Epigenetic Signatures of Human Brain Development and Autism	\$1,542,279	Q3.S.J	Yale University
Functional Genomics of Human Brain Development	\$1,338,015	Q2.Other	Yale University
The Autism Impact Measure: A New Tool for Treatment Outcome Measurement	\$1,283,153	Q1.L.B	University of Missouri
THE CHARGE STUDY: CHILDHOOD AUTISM RISKS FROM GENETICS AND THE ENVIRONMENT	\$1,114,894	Q3.S.C	University of California, Davis
Effects of Chronic Intranasal Oxytocin	\$1,103,903	Q4.S.B	University of California, Davis
DETECTION OF ASD AT THE 1ST BIRTHDAY AS STANDARD OF CARE: THE GET SET EARLY MODEL	\$1,099,280	Q1.S.D	UNIVERSITY OF CALIFORNIA SAN DIEGO
Dysregulation of Protein Synthesis in Fragile X Syndrome	\$1,060,826	Q2.S.D	National Institutes of Health

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The Cognitive Neuroscience of Autism Spectrum Disorders	\$1,032,186	Q2.Other	National Institutes of Health
Enabling use of blood spot cards for accurate high throughput Fragile X screening	\$1,011,519	Q1.S.A	ASURAGEN, INC.
Early identification and service linkage for urban children with autism	\$982,149	Q1.S.C	Boston University
Multigenerational Familial and Environmental Risk for Autism (MINERVA) Network	\$971,085	Q3.L.D	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Intelligent Data Capture and Assessment Technology for Developmental Disabilities	\$872,034	Q1.S.B	CARING TECHNOLOGIES, INC.
A Screen-Refer-Treat (SRT) Model to Promote Earlier Access to ASD Intervention	\$849,173	Q1.S.B	University of Washington
Addressing systemic health disparities in early ASD identification and treatment	\$813,085	Q1.S.C	University of Massachusetts, Boston
Genetic Epidemiology of Complex Traits	\$808,519	Q3.L.B	National Institutes of Health
Improving Accuracy and Accessibility of Early Autism Screening	\$796,039	Q1.S.B	TOTAL CHILD HEALTH, INC.
Infection, fever and immune signatures in an autism birth cohort	\$788,507	Q2.S.A	Columbia University
Prenatal and Neonatal Biologic Markers for Autism	\$784,863	Q3.S.C	KAISER FOUNDATION RESEARCH INSTITUTE
Longitudinal MRI Study of Brain Development in Fragile X	\$773,954	Q2.S.D	Stanford University
Autism genetics: homozygosity mapping and functional validation	\$765,736	Q3.L.B	CHILDREN'S HOSPITAL CORPORATION
Integrity and Dynamic Processing Efficiency of Networks in ASD	\$763,675	Q2.Other	SAN DIEGO STATE UNIVERSITY
Regulation of Neuroligins and Effects on Synapse Number and Function	\$759,674	Q4.S.B	National Institutes of Health
The Elongation Hypothesis of Autism	\$752,400	Q2.Other	University of North Carolina
The Role of Germline Mutation and Parental Age in Autism Spectrum Disorders	\$747,236	Q3.S.C	UNIVERSITY OF CALIFORNIA SAN DIEGO
Multiscale Genetic Connectivity of Primate Social Circuits	\$735,023	Q2.Other	University of Utah
1/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$720,372	Q3.S.A	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
MRI Biomarkers of Patients with Tuberous Sclerosis Complex and Autism	\$716,468	Q2.S.D	CHILDREN'S HOSPITAL CORPORATION
Computational characterization of language use in autism spectrum disorder	\$712,942	Q2.Other	Oregon Health & Science University
Functional connectivity substrates of social and non-social deficits in ASD	\$698,074	Q2.Other	Massachusetts General Hospital

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Neural Phenotypes of Females with Autism Spectrum Disorder	\$690,279	Q2.S.B	University of California, Davis
Tet-mediated Epigenetic Modulation in Autism	\$684,145	Q2.S.D	Emory University
Autism: Social and Communication Predictors in Siblings	\$675,162	Q1.L.A	HUGO W. MOSER RESEARCH INSTITUTE KENNEDY KRIEGER
4/4 The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$674,849	Q3.S.A	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Animal Model of Genetics and Social Behavior in Autism Spectrum Disorders	\$673,494	Q2.S.G	Duke University
COMPONENTS OF EMOTIONAL PROCESSING IN TODDLERS WITH ASD	\$669,551	Q1.L.A	Yale University
Early Detection of Autism Spectrum Disorder	\$668,397	Q1.S.B	DREXEL UNIVERSITY
Function and Structure Adaptations in Forebrain Development	\$662,342	Q2.Other	Children's Hospital Los Angeles
Efficacy of Parent-implemented Treatment in Infant Siblings of Children With ASD	\$662,190	Q4.L.B	Vanderbilt University
Autism Spectrum Disorder: Birth Cohort 1976-2000, Epidemiology and Adult Status	\$658,460	Q6.Other	MAYO CLINIC ROCHESTER
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$657,501	Q2.S.G	SLOAN-KETTERING INST CAN RESEARCH
Population-Based Autism Genetics & Environment Study	\$655,813	Q3.L.D	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Next Generation Gene Discovery in Familial Autism	\$653,540	Q3.L.B	University of Washington
Changing developmental trajectories through early treatment	\$652,271	Q4.L.D	Emory University
Sporadic Mutations and Autism Spectrum Disorders	\$647,900	Q3.S.A	University of Washington
Evaluating the Effects of Autism Insurance Mandates	\$647,583	Q5.Other	UNIVERSITY OF PENNSYLVANIA
Comparative Effectiveness of Developmental-Behavioral Screening Instruments	\$639,561	Q1.S.B	Tufts University
Functional and Structural Optical Brain Imaging	\$634,153	Q2.Other	National Institutes of Health
A Family-Genetic Study of Autism and Fragile X Syndrome	\$632,570	Q2.S.D	NORTHWESTERN UNIVERSITY
Biomarkers in Autism of Aripiprazole and Risperidone Treatment (BAART)	\$630,554	Q4.S.F	MEDICAL UNIVERSITY OF SOUTH CAROLINA
Effectiveness and Implementation of a Mental Health Intervention for ASD	\$626,517	Q5.L.A	UNIVERSITY OF CALIFORNIA SAN DIEGO
Novel computational methods for higher order diffusion MRI in autism	\$626,233	Q2.Other	UNIVERSITY OF PENNSYLVANIA
Mathematical Cognition in Autism: A Cognitive and Systems Neuroscience Approach	\$623,389	Q2.Other	Stanford University
Dynamic regulation of Shank3 and ASD	\$616,945	Q2.Other	Johns Hopkins University

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Neurotrophic Factor Regulation of Gene Expression	\$615,631	Q2.S.D	HARVARD MEDICAL SCHOOL
Impact of SynGAP1 Mutations on Synapse Maturation and Cognitive Development	\$614,568	Q2.Other	SCRIPPS FLORIDA
Brain Bases of Language Deficits in SLI and ASD	\$614,180	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Bidirectional Tyrosine Kinase Signaling	\$614,042	Q2.Other	UT SOUTHWESTERN MEDICAL CENTER
Toward Outcome Measurement of Anxiety in Youth with Autism Spectrum Disorders	\$612,963	Q1.L.B	Emory University
Human neurobehavioral phenotypes associates with the extended PWS/AS domain	\$601,636	Q3.S.J	BAYLOR COLLEGE OF MEDICINE
Eyeblink conditioning in school-aged children with ASD	\$597,024	Q1.L.A	SEATTLE CHILDREN'S HOSPITAL
Rapid Phenotyping for Rare Variant Discovery in Autism	\$589,746	Q3.S.A	University of California, Los Angeles
Computational tools to analyze SNP data from patients with mental illness	\$586,065	Q7.Other	PARTEK, INC.
GABRB3 and Placental Vulnerability in ASD	\$582,482	Q2.S.A	Stanford University
Prenatal factors and risk of autism in a Finnish national birth cohort	\$579,293	Q3.S.H	Columbia University
Biological Determinants of Brain Variation in Autism	\$578,397	Q2.S.G	University of Wisconsin
Epidemiological Research on Autism in Jamaica - Phase II	\$564,795	Q3.S.H	UNIVERSITY OF TEXAS HLTH SCI CTR HOUSTON
Genotype-Phenotype Relationships in Fragile X Families	\$564,704	Q2.S.D	University of California, Davis
Executive Function in Children with Typical and Atypical Language Abilities	\$564,177	Q2.Other	University of Wisconsin
Characterizing mechanistic heterogeneity across ADHD and Autism	\$561,952	Q2.Other	Oregon Health & Science University
Investigating the Gut Microbiome for Novel Therapies and Diagnostics for Autism	\$558,136	Q3.S.I	CALIFORNIA INSTITUTE OF TECHNOLOGY
Predictors of Cognitive Development in Autism Spectrum Disorder	\$557,566	Q2.L.A	University of California, Davis
Characterizing Lexical Processing in Toddlers with Autism Spectrum Disorders	\$553,221	Q2.Other	University of Wisconsin
A Longitudinal MRI Study of Brain Development in Fragile X Syndrome	\$548,356	Q2.S.D	University of North Carolina
Early Quantitative Characterization of Reciprocal Social Behavior	\$545,901	Q1.L.C	Washington University in St. Louis
Prospective Evaluation of Air Pollution, Cognition, and Autism from Birth Onward	\$545,679	Q3.S.H	UNIVERSITY OF SOUTHERN CALIFORNIA
Prefrontal function in the Shank3-deficient rat: A first rat model for ASD	\$544,401	Q4.S.B	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
fcMRI in Infants at High Risk for Autism	\$539,308	Q1.L.A	Washington University in St. Louis

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The Roles of Environmental Risks and GEX in Increasing ASD Prevalence	\$537,756	Q3.L.D	Yale University
A computational framework for predicting the impact of mutations in autism	\$533,354	Q2.S.G	UNIVERSITY OF CALIFORNIA SAN DIEGO
Epigenetic and Transcriptional Dysregulation in Autism Spectrum Disorder	\$531,208	Q3.S.J	University of California, Los Angeles
The Social Brain in Schizophrenia and Autism Spectrum Disorders	\$523,573	Q2.Other	HARTFORD HOSPITAL
Language Development in Fragile X Syndrome	\$516,736	Q2.S.D	University of California, Davis
Smart Early Screening for Autism and Communication Disorders in Primary Care	\$510,505	Q1.S.B	Florida State University
Characterizing the genetic systems of autism through multi-disease analysis	\$498,198	Q2.S.G	Stanford University
DEVELOPING NEW STATISTICAL METHODS TO DETECT RARE VARIANTS INVOLVED IN NEUROPSYCHIATRIC DISORDERS	\$497,683	Q3.L.B	National Institutes of Health
Treatment of Medical Conditions among Individuals with Autism Spectrum Disorders	\$496,547	Q2.S.E	National Institutes of Health
Signaling mechanisms in cerebellar development and function	\$494,324	Q2.Other	Vanderbilt University
Developmental Disabilities Dentistry Online	\$494,281	Q5.L.E	PRAXIS, INC.
Function of Neurexins	\$488,615	Q2.Other	Stanford University
Dysregulation of mTOR Signaling in Fragile X Syndrome	\$487,251	Q2.S.D	ALBERT EINSTEIN COLLEGE OF MEDICINE
Identifying therapeutic targets for autism using Shank3-deficient mice	\$486,501	Q4.S.B	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Development of a Prospective Video-Based Measure to Identify ASD Risk in Infancy	\$478,021	Q1.S.B	University of California, Davis
Characterization of the Schizophrenia-associated 3q29 Deletion in Mouse	\$477,402	Q4.S.B	Emory University
Molecular Mechanisms of Atypical Habituation in Autism Spectrum Disorders	\$474,949	Q1.L.A	University of Washington
Sex and age differences in the regulation of social recognition	\$469,500	Q2.S.B	BOSTON COLLEGE
Neurobiological signatures of perception and imitation of AV speech in children w	\$467,562	Q2.Other	SOUTHERN CONNECTICUT STATE UNIVERSITY
Cell adhesion molecules in autism: a whole-brain study of genetic mouse models	\$467,000	Q2.Other	COLD SPRING HARBOR LABORATORY
Phenotypic Characterization of Gene Disrupting Mutations in ASD	\$463,336	Q2.S.G	University of Washington
Change-sensitive Measurement of Emotion Dysregulation in ASD	\$458,586	Q1.Other	University of Pittsburgh

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Functional analysis of the Schizophrenia and Autism Spectrum Disorder gene TCF4 i	\$457,500	Q4.S.B	LIEBER INSTITUTE, INC.
BDNF and the Restoration of Synaptic Plasticity in Fragile X and Autism	\$453,289	Q2.S.D	University of California, Irvine
Dissecting neural mechanisms integrating multiple inputs in C. elegans	\$453,240	Q2.Other	SALK INSTITUTE FOR BIOLOGICAL STUDIES
Multimedia Tool for Psychology Graduate Student ASD Assessment Training	\$445,256	Q1.S.A	VIRTUAL REALITY AIDS, INC.
Cortical Plasticity in Autism Spectrum Disorders	\$443,702	Q2.Other	BETH ISRAEL DEACONESS MEDICAL CENTER
Oxytocin Receptors and Social Behavior	\$440,363	Q4.S.B	Emory University
Social Cognitive Profiles of Autism and Schizophrenia	\$439,762	Q2.Other	UNIVERSITY OF TEXAS DALLAS
Imaging adaptive cerebellar processing at cellular resolution in awake mice	\$428,215	Q2.Other	PRINCETON UNIVERSITY
Regulation of SK2 channels by UBE3A	\$425,708	Q2.Other	WESTERN UNIVERSITY OF HEALTH SCIENCES
Analysis of Shank3 Complete and Temporal and Spatial Specific Knockout Mice	\$425,202	Q2.Other	Duke University
The Effects of State and Federal Insurance Policies on Quality of Care for Autism	\$424,128	Q5.S.A	Pennsylvania State University
Restricted Repetitive Behavior in Autism	\$418,741	Q1.L.B	University of North Carolina
Social Brain Networks for the Detection of Agents and Intentions	\$416,250	Q2.Other	Yale University
Neural markers of shared gaze during simulated social interactions in ASD	\$416,250	Q2.Other	Yale University
2/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$415,893	Q3.S.A	BROAD INSTITUTE, INC.
Biology of Non-Coding RNAs Associated with Psychiatric Disorders	\$415,143	Q2.Other	UNIVERSITY OF SOUTHERN CALIFORNIA
Monoallelic expression in neurons derived from induced pluripotent stem cells	\$414,150	Q2.Other	ALBERT EINSTEIN COLLEGE OF MEDICINE
Genome-wide Identification of Variants Affecting Early Human Brain Development	\$413,630	Q2.S.G	University of North Carolina
Refining the Tourette Syndrome phenotype across diagnoses to aid gene discovery	\$413,188	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Development of Face Processing in Infants with Autism Spectrum Disorders	\$409,613	Q1.L.B	Yale University
Early Life Seizures Disrupt Critical Period Plasticity	\$409,568	Q2.S.E	UNIVERSITY OF PENNSYLVANIA
Learning and plasticity in the human brain	\$409,567	Q2.Other	National Institutes of Health
Mechanisms of circuit failure and treatments in patient-derived neurons in autism	\$406,250	Q4.S.B	BROWN UNIVERSITY

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Mechanisms of mGluR5 function and dysfunction in mouse autism models	\$405,319	Q2.S.D	UT SOUTHWESTERN MEDICAL CENTER
The Impact of Pten Signaling on Neuronal Form and Function	\$405,000	Q2.Other	DARTMOUTH COLLEGE
HIGH THROUGHPUT SCREEN FOR SMALL MOLECULE PROBES FOR NEURAL NETWORK DEVELOPMENT	\$405,000	Q2.Other	Johns Hopkins University
Shank3 in Synaptic Function and Autism	\$401,250	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
The Effects of Intranasal Oxytocin on Social Cognition and Neural Activity	\$401,068	Q4.S.A	Emory University
Family Outcomes in Autism Spectrum Disorders	\$399,276	Q5.Other	University of Wisconsin
Striatal synaptic Abnormalities in Models of Autism	\$397,500	Q4.S.B	UT SOUTHWESTERN MEDICAL CENTER
New Models For Astrocyte Function in Genetic Mouse Models of Autism Spectrum Diso	\$396,250	Q2.S.D	CLEVELAND CLINIC LERNER COM-CWRU
Preclinical evaluation of NMDA receptor antagonists for treating Rett Syndrome	\$396,250	Q4.S.B	CASE WESTERN RESERVE UNIVERSITY
Genetic-imaging study of obsessive compulsive behavior in autism	\$395,918	Q2.Other	BROWN UNIVERSITY
Organization of Excitatory and Inhibitory Circuits in ASD	\$395,236	Q2.Other	Boston University
Genetic and Developmental Analyses of Fragile X Mental Retardation Protein	\$394,554	Q2.S.D	Vanderbilt University
The neurophysiology of sensory processing and multisensory integration in ASD	\$393,813	Q2.Other	SYRACUSE UNIVERSITY
AUDITORY AND INTEGRATIVE FUNCTIONS OF THE PREFRONTAL CORTEX	\$393,700	Q2.Other	University of Rochester
THE GENETIC AND NEUROANATOMICAL ORIGIN OF SOCIAL BEHAVIOR	\$391,250	Q4.S.B	BAYLOR COLLEGE OF MEDICINE
Allelic Choice in Rett Syndrome	\$390,481	Q2.S.D	WINIFRED MASTERSON BURKE MED RES INST
Neurobiological Signatures of Social Dysfunction and Repetitive Behavior	\$390,000	Q4.S.B	Vanderbilt University
Molecular mechanisms of the synaptic organizer alpha-neurexin	\$388,750	Q2.Other	UNIVERSITY OF TEXAS MEDICAL BR GALVESTON
Role of MEF2 and neural activity in cortical synaptic weakening and elimination	\$387,160	Q2.S.D	UT SOUTHWESTERN MEDICAL CENTER
PHENOTYPING ASTROCYTES IN HUMAN NEURODEVELOPMENTAL DISORDERS	\$386,750	Q2.Other	Stanford University
Development and afferent regulation of auditory neurons	\$386,250	Q2.S.D	University of Washington
Optogenetic treatment of social behavior in autism	\$385,000	Q2.Other	University of California, Los Angeles
Typical and Pathological Cellular Development of the Human Amygdala	\$385,000	Q2.Other	University of California, Davis

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Treatment of Autism Symptoms in Children (TASC): Initial RCT with Active Control	\$385,000	Q4.Other	University of California, Los Angeles
Verbal/non-verbal asynchrony in adolescents with high-functioning Autism	\$381,620	Q2.Other	EMERSON COLLEGE
Mechanisms of stress-enhanced aversive conditioning	\$381,250	Q4.S.B	NORTHWESTERN UNIVERSITY
Neural Economics of Biological Substrates of Valuation	\$379,913	Q1.L.C	VIRGINIA POLYTECHNIC INST AND ST UNIV
Inter-regional connectivity in the speech network of minimally verbal children	\$379,502	Q4.S.G	Boston University
Neurobiological Mechanism of 15q11-13 Duplication Autism Spectrum Disorder	\$376,818	Q2.S.D	BETH ISRAEL DEACONESS MEDICAL CENTER
Translation, Synchrony, and Cognition	\$376,430	Q2.S.D	New York University
Early Identification of ASD: Translating Eye Tracking into Practice	\$375,283	Q1.S.B	UNIVERSITY OF CALIFORNIA SAN DIEGO
Neural networks for attention to internal and external sensory cues in ASD	\$374,510	Q2.Other	Vanderbilt University
Adaptive Response Technology for Autism Spectrum Disorders Intervention	\$373,849	Q4.Other	Vanderbilt University
Networked Cortical Responses to Movement Associated with ASD	\$372,970	Q2.Other	Duke University
Translational Regulation of Adult Neural Stem Cells	\$372,621	Q2.S.D	University of Wisconsin
Engrailed targets and the control of synaptic circuits in Drosophila	\$371,250	Q2.Other	UNIVERSITY OF PUERTO RICO MED SCIENCES
Prostaglandins and Cerebellum Development	\$371,250	Q2.S.A	University of Maryland
MeCP2 Modulation of BDNF Signaling: Shared Mechanisms of Rett and Autism	\$371,057	Q2.S.D	UNIVERSITY OF ALABAMA AT BIRMINGHAM
Early Social and Emotional Development in Toddlers at Genetic Risk for Autism	\$368,827	Q1.L.A	University of Pittsburgh
Cellular Density and Morphology in the Autistic Temporal Human Cerebral Cortex	\$366,427	Q2.Other	University of California, Davis
Emergence and Stability of Autism in Fragile X Syndrome	\$358,000	Q2.S.D	UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA
Neural Basis of Behavioral Flexibility	\$356,612	Q2.Other	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Extraction of Functional Subnetworks in Autism Using Multimodal MRI	\$356,327	Q1.L.B	Yale University
DEVELOPMENT OF FACE PROCESSING EXPERTISE	\$354,267	Q2.Other	UNIVERSITY OF TORONTO
THE ROLE OF MECP2 IN RETT SYNDROME	\$353,130	Q2.S.D	University of California, Davis
Casein Kinase 1 Inhibitors for Treatment of Autism	\$349,610	Q4.S.B	INTRA-CELLULAR THERAPIES, INC.
A Model Integrated Data Management System for Multi-Disciplinary Autism Research	\$348,709	Q7.H	PROMETHEUS RESEARCH, LLC

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In utero antidepressant exposures and risk for autism	\$348,000	Q3.S.H	Massachusetts General Hospital
Psychobiological investigation of the socioemotional functioning in autism	\$347,490	Q2.Other	Vanderbilt University
Revealing protein synthesis defects in Fragile X Syndrome with new chemical tools	\$347,427	Q2.S.D	Stanford University
Methylomic and genomic impacts of organic pollutants in Dup15q syndrome	\$341,921	Q3.S.J	University of California, Davis
Therapy Management Software for Naturalistic Model-Based Behavioral Interventions	\$341,576	Q4.S.C	EXPERIAD, LLC
Functional analysis of Neuroligin-Neurexin interactions in synaptic transmission	\$336,875	Q2.Other	University of Massachusetts, Worcester
Elucidating the Function of Class 4 Semaphorins in GABAergic Synapse Formation	\$333,553	Q2.Other	BRANDEIS UNIVERSITY
Physiology of Attention and Regulation in Children with ASD and LD	\$332,586	Q2.Other	SEATTLE CHILDREN'S HOSPITAL
Novel Genetic Models of Autism	\$328,415	Q4.S.B	UT SOUTHWESTERN MEDICAL CENTER
Molecular mechanisms linking early life seizures, autism and intellectual disability	\$326,289	Q2.S.E	University of Colorado, Denver
Inhibitory mechanisms for sensory map plasticity in cerebral cortex.	\$323,873	Q2.Other	University of California, Berkeley
Molecular Dissection of Calmodulin Domain Functions	\$321,473	Q2.Other	UNIVERSITY OF IOWA
Role of UBE3A in the Central Nervous System	\$321,269	Q2.S.D	University of North Carolina
Preschool Reading and Language Interventions for Children with Autism	\$321,228	Q4.L.D	University of Washington
Impairments of Theory of Mind disrupt patterns of brain activity	\$321,000	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Sex-specific regulation of social play	\$320,770	Q2.S.B	BOSTON COLLEGE
A Family-Genetic Study of Language in Autism	\$320,687	Q2.S.G	NORTHWESTERN UNIVERSITY
Autoimmunity Against Novel Antigens in Neuropsychiatric Dysfunction	\$320,000	Q2.S.A	UNIVERSITY OF PENNSYLVANIA
Novel Statistical methods for DNA Sequencing Data, and applications to Autism.	\$318,575	Q3.L.B	Columbia University
Electrophysiological Signatures of Language Impairment in Autism Spectrum Disorder	\$318,332	Q2.Other	Children's Hospital of Philadelphia
Caspr2 as an autism candidate gene: a proteomic approach to function & structure.	\$318,000	Q2.Other	RBHS-ROBERT WOOD JOHNSON MEDICAL SCHOOL
Ontogeny and neural basis of social visual engagement in monkeys	\$312,009	Q2.Other	Emory University
DEVELOPMENTAL SYNAPTOPATHIES ASSOCIATED WITH TSC, PTEN AND SHANK3 MUTATIONS	\$310,086	Q2.S.G	CHILDREN'S HOSPITAL CORPORATION

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Neuronal Basis of Vicarious Reinforcement Dysfunction in Autism Spectrum Disorder	\$309,761	Q2.Other	Duke University
Mechanisms of Valproic Acid-Induced Neurodevelopmental and Behavioral Defects	\$309,594	Q3.S.J	University of Maryland
Statistical Methods for Ultrahigh-dimensional Biomedical Data	\$308,918	Q2.Other	PRINCETON UNIVERSITY
Peer-Mediated AAC Intervention for Children with Autism: Effects on Communication	\$308,485	Q4.S.G	University of Kansas
Wireless EEG System for Training Attention and Eye Movement in ASD	\$307,351	Q4.Other	UNIVERSITY OF CALIFORNIA SAN DIEGO
The Development of Auditory Joint Engagement	\$307,100	Q1.L.C	GEORGIA STATE UNIVERSITY
Magnetoencephalographic studies of lexical processing and abstraction in autism	\$306,974	Q2.Other	UNIVERSITY OF PENNSYLVANIA
New Experimental Medicine Studies: Fast-Fail Trials in Autism Spectrum Disorders	\$306,043	Q4.Other	University of California, Los Angeles
Administration and Data Management	\$305,929	Q7.Other	Boston University
Predicting Phenotypic Trajectories in Prader-Willi Syndrome	\$302,050	Q2.S.D	Vanderbilt University
Development of vision and attention in typical and ASD individuals	\$301,210	Q2.S.G	BROWN UNIVERSITY
Mechanisms of Motor Skill Learning in the Fragile X Mouse Model	\$299,510	Q2.S.D	University of Nebraska
1/3 - Sequencing Autism Spectrum Disorder Extended Pedigrees	\$298,000	Q3.L.B	University of Utah
Services to enhance social functioning in adults with autism spectrum disorder	\$289,835	Q5.L.A	UNIVERSITY OF PENNSYLVANIA
Piloting Treatment with Insulin-Like Growth Factor-1 in Phelan-McDermid Syndrome	\$289,286	Q4.L.A	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Optimization of Fidelity Procedures for Pivotal Response Training in Autism	\$286,767	Q5.L.A	UNIVERSITY OF CALIFORNIA SAN DIEGO
Interdisciplinary Training for Autism Researchers	\$285,762	Q7.K	University of California, Davis
In Vivo Function of Neuronal Activity-Induced MeCP2 phosphorylation	\$284,524	Q3.S.J	University of Wisconsin
CHD5 dosage in epigenetic control of Cancer, Infertility, and Autism	\$283,500	Q3.S.J	COLD SPRING HARBOR LABORATORY
Supported Employment, Cognitive Enhancement, Social Skills Program for ASD Adult	\$281,112	Q6.L.A	Rady Children's Hospital Health Center
Reducing Diversity at the Gamma Protocadherin Locus by CRISPR Targeting	\$275,342	Q2.Other	JACKSON LABORATORY
Targeting joint engagement in infants at risk for ASD: Integrating treatment wit	\$274,972	Q4.L.B	University of California, Los Angeles

Project Title	Funding	Strategic Plan Objective	Institution
Adapting a Parent Advocacy Program to Improve Transition for Youth With Autism	\$274,750	Q6.L.A	Vanderbilt University
Augmenting language interventions for ASD: A translational approach	\$274,364	Q4.L.A	University of California, Los Angeles
Research Participation Core	\$271,420	Q7.Other	University of Wisconsin
Development of a novel neurotechnology to promote emotion recognition in autism	\$269,650	Q4.Other	VIRGINIA POLYTECHNIC INST AND ST UNIV
Contingency Analyses of Observing and Attending in Intellectual Disabilities	\$268,224	Q4.S.G	University of Massachusetts, Worcester
Project 2: The impact of assisted reproductive technologies on the long-term epi	\$266,000	Q3.S.J	UNIVERSITY OF HAWAII AT MANOA
3/4 - The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$263,975	Q3.S.A	University of Pittsburgh
Genetic Modifiers of Seizure Disorders in Fragile X Syndrome	\$261,539	Q2.S.D	Emory University
Molecular control of prefrontal cortical circuitry in autism	\$254,250	Q2.Other	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Intrinsic Brain Architecture of Young Children with Autism While Awake and Asleep	\$254,250	Q2.Other	New York University
Neural Mechanisms of Tactile Sensation in Rodent Somatosensory Cortex	\$251,860	Q2.Other	University of California, Berkeley
Animal Model of Speech Sound Processing in Autism	\$251,777	Q4.S.B	UNIVERSITY OF TEXAS DALLAS
Evaluating Plasma and Urine Porphyrins as Biomarkers of ASD	\$251,038	Q1.L.A	BATTELLE CENTERS/PUB HLTH RES & EVALUATN
Controlling Interareal Gamma Coherence by Optogenetics, Pharmacology and Behavior	\$250,152	Q2.Other	PRINCETON UNIVERSITY
Presynaptic Fragile X Proteins	\$249,000	Q2.S.D	DREXEL UNIVERSITY
Complex Genetic Architecture of Chromosomal Aberrations in Autism	\$248,999	Q3.L.B	Massachusetts General Hospital
Electrophysiological Response to Executive Control Training in Autism	\$248,969	Q2.Other	CHILDREN'S HOSPITAL CORPORATION
Novel candidate mechanisms of fragile X syndrome	\$248,873	Q2.S.D	UNIVERSITY OF MICHIGAN
NIH R21/R33: Transformative Co-Robotic Technology for Autism Intervention	\$248,271	Q4.Other	Vanderbilt University
Clinical Assessment Core	\$248,206	Q7.Other	Emory University
Genetic and genomic analyses to connect genes to brain to cognition in ASD	\$247,228	Q2.S.G	University of California, Los Angeles
Do Access Barriers to Autism Care Persist Despite Autism Insurance Mandate?	\$246,773	Q5.S.A	Pennsylvania State University
Self-Regulation and Sleep in Children At Risk for Autism Spectrum Disorders	\$244,724	Q2.S.E	PURDUE UNIVERSITY

Project Title	Funding	Strategic Plan Objective	Institution
2/5-Randomized Trial of Parent Training for Young Children with Autism	\$244,127	Q4.S.D	OHIO STATE UNIVERSITY
Neural Effects of Sustained Oxytocin Treatment in Children with Autism	\$243,424	Q4.L.A	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Mechanisms of Autonomic Brainstem Development	\$243,000	Q2.Other	Children's Hospital Los Angeles
Divergent biases for conspecifics as early markers for Autism Spectrum Disorders	\$242,653	Q1.L.A	New York University
1/5-Randomized Trial of Parent Training for Young Children with Autism	\$242,475	Q4.S.D	Emory University
Pivotal Response Treatment Package for Young Children with Autism	\$240,750	Q4.S.C	Stanford University
fMRI and EEG approaches to the resting state in ASD	\$240,042	Q2.Other	SAN DIEGO STATE UNIVERSITY
Clinical algorithm for identifying adult autism	\$240,000	Q6.S.C	UNIVERSITY OF PENNSYLVANIA
Modifiable Behavior & Dietary Predictors of Overweight in Children with ASD	\$239,465	Q4.S.H	University of Kansas
Met Signaling in Neural Development and Circuitry Formation	\$238,640	Q2.Other	UNIVERSITY OF ARIZONA
Role of autism-associated chromatin remodeler Brg1 in neuronal development	\$238,500	Q2.Other	UT SOUTHWESTERN MEDICAL CENTER
Are endocrine disrupting compounds environmental risk factors for autism?	\$237,750	Q3.S.J	GEORGE WASHINGTON UNIVERSITY
Translating OCD GWAS findings into mice: identifying epistatic modifiers of BTBD3	\$237,000	Q2.S.E	UNIVERSITY OF CHICAGO
5/5-Randomized Trial of Parent Training for Young Children with Autism	\$236,223	Q4.S.D	University of Pittsburgh
Peers, play and performance to improve social interaction in autism	\$235,500	Q4.Other	Vanderbilt University
Improving Transition Outcomes in ASD using COMPASS	\$234,684	Q6.L.C	University of Kentucky
Imaging of protein synthesis and ubiquitination in fragile x syndrome	\$234,000	Q2.S.D	Emory University
Investigating Brain Connectivity in Autism at the Whole-Brain Level	\$232,967	Q2.Other	Johns Hopkins University
2/3 Sequencing Autism Spectrum Disorder Extended Pedigrees	\$231,750	Q3.L.B	University of Washington
Prenatal Timing of Heavy Metal Exposures from Autistic and Non-Autistic Children	\$231,692	Q3.S.B	University of Texas Health Science Center, San Antonio
Diagnostic and recruitment	\$230,497	Q7.Other	University of California, Los Angeles
Solid-state patch clamp platform to diagnose autism and screen for effective drug	\$230,339	Q1.S.A	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
Modeling The Serotonin Contribution to Autism Spectrum Disorders	\$229,702	Q4.S.B	Vanderbilt University
2/2-Treatment of Feeding Problems in Children with Autism	\$229,662	Q4.S.A	UNIVERSITY OF ROCHESTER
Identification of TSC cellular phenotypes using patient-derived iPSCs	\$229,322	Q2.S.D	Rutgers University
A monkey model of naturally occurring low sociability	\$229,288	Q1.Other	Stanford University
1/2 Treatment of Feeding Problems in Children with Autism	\$229,121	Q4.S.A	University of Pittsburgh
Time Perception and Timed Performance in Autism	\$227,487	Q2.Other	Michigan State University
Protein network of high risk copy number variants for psychiatric disorders	\$227,135	Q2.Other	UNIVERSITY OF CALIFORNIA SAN DIEGO
4/5-Randomized Trial of Parent Training for Young Children with Autism	\$226,275	Q4.S.D	Johns Hopkins University
Research education and training	\$225,713	Q7.K	University of California, Los Angeles
Salivary oxytocin as a biomarker for autism spectrum disorder	\$224,875	Q1.L.A	SALIMETRICS, LLC
Transition to Medication Self-Management for Youth with ASD & Co-Occurring ADHD	\$223,983	Q5.L.D	AMERICAN ACADEMY OF PEDIATRICS
1/3 Treatment of Anxiety in Autism Spectrum Disorder	\$223,685	Q4.S.A	University of California, Los Angeles
STEPS: Stepped Transition in Education Program for Students with ASD	\$223,281	Q6.L.A	VIRGINIA POLYTECHNIC INST AND ST UNIV
A NOVEL TRANSLATIONAL MODEL OF AUTISM SPECTRUM DISORDER	\$223,125	Q4.S.B	Emory University
Wnt modulation as a treatment for Autism Spectrum Disorders	\$222,318	Q2.Other	UNIVERSITY OF IOWA
NRI: Music-based Interactive Robotic Orchestration for Children with ASD	\$219,008	Q4.Other	NEW YORK INST OF TECHNOLOGY
Neurobiology of Aggression Co-morbidity in Mouse Model of Idic15 Autism	\$217,500	Q2.S.E	BETH ISRAEL DEACONESS MEDICAL CENTER
3/5-Randomized Trial of Parent Training for Young Children with Autism	\$217,449	Q4.S.D	UNIVERSITY OF ROCHESTER
Role of Draxin in Forebrain Connectivity and Complex Behaviors	\$216,128	Q2.Other	WADSWORTH CENTER
GABA Epigenomes in Autism	\$215,389	Q3.S.J	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
THE CHARGE STUDY: CHILDHOOD AUTISM RISKS FROM GENETICS AND THE ENVIRONMENT	\$212,604	Q3.S.C	University of California, Davis
Neuroendocrine Regulation of Metabolism and Neurocognition	\$211,825	Q2.S.E	National Institutes of Health
The Spread of Autism Diagnosis through Spatially Embedded Social Networks	\$211,635	Q7.I	Columbia University

Project Title	Funding	Strategic Plan Objective	Institution
Predicting risk and resilience in ASD through social visual engagement	\$210,158	Q2.L.B	Emory University
Functional connectivity in autism spectrum disorders	\$209,375	Q2.Other	Children's Hospital of Philadelphia
Gaze Modification Strategies for Toddlers with ASD	\$208,125	Q4.Other	Yale University
Targeting the PI3K Enhancer PIKE to Reverse FXS-associated Phenotypes	\$206,000	Q2.S.D	Emory University
Non-Coding RNAs in Autism	\$205,365	Q3.Other	UNIVERSITY OF SOUTHERN CALIFORNIA
Administrative Core	\$204,280	Q7.Other	University of California, Los Angeles
Atypical Effects of Reinforcement Procedures in ASD	\$203,513	Q4.Other	University of Massachusetts, Worcester
Quantifiable markers of ASD via multivariate MEG-DTI combination	\$202,233	Q2.L.B	UNIVERSITY OF PENNSYLVANIA
Dysfunction of Sensory Inhibition in Autism	\$202,145	Q2.Other	Johns Hopkins University
ANALYSIS OF CORTICAL FUNCTION	\$198,706	Q2.Other	National Institutes of Health
Variation in Neuroligin Concentration and Presynaptic Functional Development	\$196,979	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
A novel neural circuit analysis paradigm to model autism in mice	\$196,667	Q4.S.B	Duke University
The role of vasopressin in the social deficits of autism	\$196,250	Q4.L.A	Stanford University
Mapping Thalamocortical Networks Across Development in ASD	\$195,834	Q2.Other	Vanderbilt University
Using Drosophila to Characterize the Molecular Pathogenesis of Autism	\$195,000	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
UBR7 is a novel chromatin directed E3 ubiquitin ligase	\$194,545	Q2.Other	UNIVERSITY OF VIRGINIA
Cytoplasmic Functions of Rbfox1, a Candidate Autism Gene	\$192,500	Q2.Other	University of California, Los Angeles
Is Jaundice in Premature Infants a Risk Factor for Autism?	\$191,875	Q3.S.H	University of Rochester
Mechanisms Underlying the Cerebellar Contribution to Autism in Mouse Models of Tu	\$190,458	Q2.S.D	CHILDREN'S HOSPITAL CORPORATION
Development of postural control variability and preferential looking behavior in	\$189,814	Q1.L.A	University of Nebraska
3/3 Treatment of anxiety in autism spectrum disorder	\$189,711	Q4.S.A	TEMPLE UNIV OF THE COMMONWEALTH
Multi-family Group Psychoeducation for Young Adults with ASD	\$188,125	Q6.L.A	University of Wisconsin
Brain Network Development in Normal and Autistic Children	\$187,164	Q2.Other	University of Utah
Neuroimaging/Neurophysiology	\$186,646	Q7.Other	University of California, Los Angeles
Behavioral and Neural Response to Memantine in Adolescents with Autism	\$186,192	Q4.S.F	Massachusetts General Hospital

Project Title	Funding	Strategic Plan Objective	Institution
A neural model of fronto-parietal mirror neuron system dynamics	\$185,646	Q2.Other	University of Maryland
Developing the Autism Model of Implementation for ASD Community Providers	\$185,327	Q5.L.A	SAN DIEGO STATE UNIVERSITY
The Role of Germline Mutation and Parental Age in Autism Spectrum Disorders	\$184,715	Q3.S.C	UNIVERSITY OF CALIFORNIA SAN DIEGO
Pesticide Exposure and Childhood Autism	\$184,503	Q3.S.F	University of California, Los Angeles
Neuroimaging signatures of autism: Linking brain function to genes and behavior	\$184,134	Q2.S.G	University of California, Los Angeles
Mitochondrial dysfunction due to aberrant mTOR-regulated mitophagy in autism	\$183,568	Q2.S.A	Columbia University
Evaluation of pupillary light reflex as biomarker of neurodevelopmental disorder	\$182,537	Q1.S.A	University of Missouri
Longitudinal Characterization of Functional Connectivity in Autism	\$182,352	Q2.L.A	University of Utah
Assessment of glutamate delta-1 receptor in mental disorders	\$181,875	Q2.Other	CREIGHTON UNIVERSITY
Neural Predictors of Language Function After Intervention in Children with Autism	\$181,307	Q1.L.B	University of California, Los Angeles
mTOR modulation of myelination	\$179,659	Q2.S.D	Vanderbilt University
Reducing Barriers to Autism Care in Latino Children	\$179,521	Q1.S.C	Oregon Health & Science University
Neural assays and longitudinal assessment of infants at very high risk for ASD	\$179,232	Q1.L.A	University of California, Los Angeles
Predicting the Decline of Social Attention in Infants at Risk for Autism	\$178,128	Q1.L.A	University of California, Los Angeles
Staff and School Factors Affecting Implementation of ASD Interventions in Schools	\$177,763	Q5.L.A	UNIVERSITY OF PENNSYLVANIA
Activity-dependent phosphorylation of MeCP2	\$177,055	Q2.S.D	HARVARD MEDICAL SCHOOL
Decoding Neural Systems Underlying Affective Prosody in Children with Autism	\$176,164	Q2.Other	Stanford University
EEG-Based Assessment of Functional Connectivity in Autism	\$175,176	Q2.Other	HUGO W. MOSER RESEARCH INSTITUTE KENNEDY KRIEGER
Early life vitamin D levels and risk of autism spectrum disorders	\$174,243	Q3.S.H	DREXEL UNIVERSITY
Brain Systems Supporting Learning and Memory in Children with Autism	\$172,797	Q2.Other	Stanford University
Mechanisms underlying word learning in children with ASD: Non-social learning and	\$171,433	Q2.Other	Boston University
Neuroimmunologic Investigations of Autism Spectrum Disorders (ASD)	\$165,516	Q2.S.F	National Institutes of Health

Project Title	Funding	Strategic Plan Objective	Institution
Serotonin Receptor Subtypes as Pharmacotherapeutic Targets in Autism	\$165,000	Q4.Other	HUSSMAN INSTITUTE FOR AUTISM, INC.
Neurobehavioral Investigation of Tactile Features in Autism Spectrum Disorders	\$162,562	Q2.Other	Vanderbilt University
Autism Spectrum Disorders and Depression: Shared Mechanisms in Brain and Behavior	\$160,115	Q2.S.E	Vanderbilt University
3/3-Sequencing Autism Spectrum Disorder Extended Pedigrees	\$160,000	Q3.L.B	UNIVERSITY OF PENNSYLVANIA
2/3 Treatment of Anxiety in Autism Spectrum Disorder	\$158,738	Q4.S.A	UNIVERSITY OF SOUTH FLORIDA
Structural and Functional Neuroimaging of the Auditory System in Autism	\$157,982	Q2.Other	Children's Hospital of Philadelphia
Studies of genetic and metabolic disorders, autism and premature aging	\$157,328	Q4.S.B	National Institutes of Health
The ontogeny of social vocal engagement and its derailment in autism	\$157,315	Q1.L.A	Emory University
Motor Control and Cerebellar Maturation in Autism	\$157,148	Q2.Other	UT SOUTHWESTERN MEDICAL CENTER
The genomic bridge project (GBP)	\$152,352	Q2.S.G	Massachusetts General Hospital
Multimodal Imaging of Social Brain Networks in ASD	\$150,471	Q2.Other	SAN DIEGO STATE UNIVERSITY
ASD Parent Trainer: Online coaching for parents of children with autism (APT)	\$149,992	Q5.L.C	IRIS MEDIA, INC.
Functional Analysis of Rare Variants in Genes Associated with Autism	\$146,625	Q4.S.B	Yale University
Neural Circuits That Regulate Social Motivation in Autism	\$146,325	Q2.Other	University of North Carolina
Project 1: Epidemiology and the Environment in Autism (Hertz-Picciotto)	\$143,217	Q3.L.D	University of California, Davis
Reversing BDNF Impairments in Rett Mice with TRPC Channel Activators	\$142,398	Q4.S.B	UNIVERSITY OF ALABAMA AT BIRMINGHAM
Risk and Resiliency for Youth With Autism During the Transition to Adulthood	\$142,194	Q6.S.A	Vanderbilt University
Brain Imaging Markers of Response to Intervention in Toddlers with Autism	\$141,759	Q4.S.F	University of North Carolina
Characterizing mechanistic heterogeneity across ADHD and Autism	\$140,305	Q2.Other	Oregon Health & Science University
Intersensory Perception of Social Events: Typical and Atypical Development	\$134,355	Q1.L.C	FLORIDA INTERNATIONAL UNIVERSITY
MicroRNAs in Synaptic Plasticity and Behaviors Relevant to Autism	\$131,220	Q2.S.D	Massachusetts General Hospital
The Computational Basis of Theory of Mind in the Human Brain	\$130,695	Q2.Other	CALIFORNIA INSTITUTE OF TECHNOLOGY

Project Title	Funding	Strategic Plan Objective	Institution
Electrophysiological Correlates of Cognitive Control in Autism	\$128,277	Q1.L.B	UT SOUTHWESTERN MEDICAL CENTER
CORE E: Participant Recruitment & Assessment Services	\$127,161	Q7.Other	Vanderbilt University
Effects of Chronic Intranasal Oxytocin	\$125,448	Q4.S.B	University of California, Davis
Neurobehavioral Analysis Core	\$122,509	Q1.S.B	University of California, Davis
Computational tools to analyze SNP data from patients with mental illness	\$120,877	Q3.L.B	PARTEK, INC.
Exploring Interactions between Folate and Environmental Risk Factors for Autism	\$118,717	Q3.S.J	University of California, Davis
Neuroimaging genetics to study social cognitive deficits in ASD and schizophrenia	\$118,665	Q2.S.G	Massachusetts General Hospital
Biological Analysis Core	\$118,217	Q7.J	University of California, Davis
Parental Age and Schizophrenia Susceptibility	\$115,500	Q3.L.D	University of California, Los Angeles
Structural and Functional Connectivity of Large-Scale Brain Networks in Autism	\$112,748	Q2.Other	University of Miami
Facility Core: Analytical and Environmental Chemistry	\$109,403	Q7.Other	University of California, Davis
Project 3: Immune Environment Interaction and Neurodevelopment	\$107,727	Q2.S.A	University of California, Davis
Project 4: Calcium Signaling Defects in Autism (Pessah/Lein)	\$107,377	Q2.Other	University of California, Davis
Project 2: Perinatal Epigenetic Signature of Environmental Exposure	\$103,544	Q3.S.J	University of California, Davis
Cognitive Control of Emotion in Autism	\$101,348	Q2.Other	University of Pittsburgh
THE GENETIC AND NEUROANATOMICAL ORIGIN OF SOCIAL BEHAVIOR	\$100,657	Q2.S.B	BAYLOR COLLEGE OF MEDICINE
THE ROLE OF MECP2 IN RETT SYNDROME	\$100,000	Q2.S.D	University of California, Davis
Neural markers of shared gaze during simulated social interactions in ASD	\$99,801	Q2.Other	Yale University
Mechanisms and Rescue of Neural Circuit Dysfunction in Mecp2 Mutant Mice	\$92,578	Q2.S.D	BAYLOR COLLEGE OF MEDICINE
Molecular mechanisms of electrical synapse formation in vivo	\$90,000	Q2.Other	FRED HUTCHINSON CANCER RESEARCH CENTER
Protein Interaction Network Analysis to Test the Synaptic Hypothesis of Autism	\$90,000	Q2.Other	MAYO CLINIC ROCHESTER
Administrative Core/Leadership	\$89,231	Q7.Other	University of California, Davis
Foxp2 regulation of sex specific transcriptional pathways and brain development	\$88,128	Q2.S.B	University of Maryland
Validity and Reliability of New Standard for Resting fMRI Data	\$84,750	Q2.Other	New York University

Project Title	Funding	Strategic Plan Objective	Institution
Dissecting Epistasis and Pleiotropy in Autism towards Personalized Medicine	\$83,334	Q2.S.G	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Striatal Specific Alterations in Translation, Synaptic Function, and Behavior in	\$81,581	Q2.Other	New York University
FMRP regulates the pruning of cell-to-cell connections in the neocortex	\$79,500	Q2.S.D	UT SOUTHWESTERN MEDICAL CENTER
The effect of maternal obesity and inflammation on neuronal and microglial functi	\$78,250	Q2.S.A	MAYO CLINIC JACKSONVILLE
Axonal Ultrastructure of Temporal White Matter in Autism	\$77,750	Q2.Other	University of California, Davis
Data Mining for Autism Endophenotypes in a Large Resting-State fMRI Repository	\$77,062	Q1.L.B	VIRGINIA POLYTECHNIC INST AND ST UNIV
Stable Zebrafish Models of Autism Spectrum Disorder	\$75,250	Q4.S.B	University of Miami
Gestational Metabolic Conditions and Autism	\$74,844	Q3.S.H	University of California, Davis
Mapping Clinical Outcomes to Preference-based Measures from the NDAR Database	\$74,500	Q5.L.B	University of Arkansas
Testing Direct Effects of Soy Daidzein on Fragile X Phenotypes	\$73,143	Q4.S.C	University of Wisconsin
Effectiveness and Implementation of a Mental Health Intervention for ASD	\$68,868	Q5.L.A	UNIVERSITY OF CALIFORNIA SAN DIEGO
Phenotypic Characterization of MECP2 Mice	\$66,830	Q2.S.D	Children's Hospital of Philadelphia
Neuroactive Steroid GABAA Receptor Positive Modulators for Fragile X Syndrome	\$62,748	Q2.S.D	SAGE THERAPEUTICS, INC.
Research, training and education	\$60,472	Q7.K	Boston University
Supporting Teens with Autism on Relationships	\$58,948	Q6.L.A	DANYA INTERNATIONAL, INC.
Research training and education core	\$57,944	Q7.K	Emory University
Role of Neurexin in Synapse Formation and Maintenance	\$56,978	Q2.Other	Stanford University
Vicarious Neural Activity, Genetic Differences and Social Fear Learning	\$56,978	Q4.S.B	Oregon Health & Science University
Genotype-Phenotype Relationships in Fragile X Families	\$55,440	Q2.S.D	University of California, Davis
Frontostriatal Synaptic Dysfunction in a Model of Autism	\$55,094	Q2.Other	Stanford University
Organophosphorus pesticides interact with ASD-linked neuroligins to alter synapto	\$55,094	Q3.S.F	University of California, Davis
Data management and analysis core	\$53,982	Q7.Other	Emory University
Investigating role of neurexin-1 mutation in autism using human induced neurons	\$53,282	Q2.Other	Stanford University
Artifacts as Windows to Other Minds: Social Reasoning In Typical and ASD Children	\$53,282	Q2.Other	Boston University

Project Title	Funding	Strategic Plan Objective	Institution
Behavioral, fMRI, and Anatomical MRI Investigations of Attention in Autism	\$53,282	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Analysis of MEF2 in Cortical Connectivity and Autism-Associated Behaviors	\$53,282	Q2.S.D	MCLEAN HOSPITAL
PCBs interact with mTOR signaling to disrupt neuronal connectivity in zebrafish	\$53,282	Q3.S.K	University of California, Davis
Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation	\$53,132	Q2.S.D	UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA
The flexibility of individuation and ensemble representation	\$51,530	Q2.Other	NORTHWESTERN UNIVERSITY
Identification of genetic pathways that regulate neuronal circuits in C. elegans	\$51,530	Q2.Other	UNIVERSITY OF CALIFORNIA SAN DIEGO
The role of the epigenetic regulator Brd4 in neuronal function and autism	\$51,530	Q3.S.J	ROCKEFELLER UNIVERSITY
Partners in Schools: A Program for Parents and Teachers of Children with Autism	\$51,530	Q5.L.A	UNIVERSITY OF PENNSYLVANIA
Gene-brain-environment interactions: Predicting social skill heterogeneity in ASD	\$49,850	Q3.Other	University of California, Los Angeles
Cell adhesion molecules in autism: a whole-brain study of genetic mouse models	\$47,900	Q2.Other	COLD SPRING HARBOR LABORATORY
Understanding the Role of Epac2 in Cognitive Function	\$47,676	Q2.Other	NORTHWESTERN UNIVERSITY
Investigating the role of Tsc1 in neocortical circuit assembly	\$47,114	Q2.S.D	Stanford University
CORE D: Clinical Neuroscience Services	\$43,285	Q7.Other	Vanderbilt University
HIGH THROUGHPUT SEQUENCING OF AUTISM SPECTRUM DISORDER (ASD) ENDOPHENOTYPES	\$39,876	Q2.S.G	BAYLOR COLLEGE OF MEDICINE
Timed mRNA translation events in neocortical development and neurodevelopmental disorders	\$39,276	Q2.Other	RBHS-ROBERT WOOD JOHNSON MEDICAL SCHOOL
The genetic basis underlying the phenotype heterogeneity of the 16p11.2 CNV	\$37,550	Q3.S.A	University of Washington
A Novel Essential Gene for Human Cognitive Function	\$35,030	Q2.S.D	HARVARD MEDICAL SCHOOL
Transcriptional Regulators in Normal Human Brain Development and Autism	\$34,216	Q2.Other	University of California, Los Angeles
Cortactin and Spine Dysfunction in Fragile X	\$33,319	Q2.S.D	University of California, Irvine
Disruption of Reelin biosynthesis by de novo missense mutations found in aut	\$33,059	Q2.Other	UPSTATE MEDICAL UNIVERSITY
Effects of advanced paternal age on germline genome stability	\$33,035	Q3.S.K	University of North Carolina
The Striatal Circuitry Underlying Autistic-Like Behaviors	\$32,419	Q2.Other	Duke University
Structural Polarity Influences Terminal Placement and Competition in Formation of the Calyx of Held	\$32,270	Q2.Other	WEST VIRGINIA UNIVERSITY

Project Title	Funding	Strategic Plan Objective	Institution
Modulation of RhoA Signaling by the mRNA Binding Protein hnRNPQ1	\$31,356	Q2.Other	Emory University
Methylomic and genomic impacts of organic pollutants in Dup15q syndrome	\$30,731	Q3.S.J	University of California, Davis
Neural basis of working memory and inhibitory control in ASD Children using NIRS	\$29,976	Q2.Other	GEORGETOWN UNIVERSITY
Statistical Word Learning in Children with Language Disorders	\$29,799	Q2.Other	University of Wisconsin
Gene by Environment Influences on Forebrain Development	\$29,056	Q3.S.K	UNIVERSITY OF SOUTHERN CALIFORNIA
An fMRI investigation of propagated intrinsic activity in early development and autism	\$28,934	Q2.Other	Washington University in St. Louis
Phagocytosis is misregulated in a Drosophila model of Fragile X syndrome	\$27,349	Q2.S.D	Columbia University
Predicting Autism through Behavioral and Biomarkers of Attention in Infants	\$26,400	Q1.L.A	UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA
Sensory Over Responsivity & Anxiety in Youth with Autism	\$25,658	Q4.S.C	University of California, Los Angeles
2014 Membrane Transport Proteins Gordon Research Conference	\$20,000	Q7.K	GORDON RESEARCH CONFERENCES
2014 Cell Biology of the Neuron Gordon Research Conference	\$20,000	Q7.K	GORDON RESEARCH CONFERENCES
CORE A: Administrative Services	\$18,070	Q7.Other	Vanderbilt University
Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	\$14,920	Q2.Other	BRANDEIS UNIVERSITY
The Neural Bases of Top-Down Attentional Control in Autism Spectrum Disorders	\$14,160	Q2.Other	CITY COLLEGE OF NEW YORK
2014 Gordon Conference/Seminar on Fragile X & Autism-Related Disorders: Advances in human therapy	\$11,000	Q7.K	GORDON RESEARCH CONFERENCES
Children with autism spectrum disorders in developing countries	\$5,000	Q7.J	WAYNE STATE UNIVERSITY
Early Life Seizures Disrupt Critical Period Plasticity	\$2,237	Q2.S.E	UNIVERSITY OF PENNSYLVANIA
Maximizing Biospecimen Collection from Children with Mental Health Conditions	\$1	Q2.S.C	GROUP HEALTH COOPERATIVE

